

**D.K.M.COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1.**

**QUESTION BANK**

**SEMESTER I - (ODD SEMESTER)**

**LIFE AND DIVERSITY OF INVERTEBRATES (16CPZO1A)**

**UNIT-I SECTION-A 6 Marks**

1. Explain about the broad classification of animal kingdom
2. Give a note on affinities and phylogeny of invertebrates with example.
3. Discuss about the feeding of protozoa.
4. Explain about the economic importance of protozoa.
5. Give a detailed account on freshwater sponges.

**SECTION-B 15 Marks**

1. Discuss in detail about the reproduction of protozoa
2. Give a detailed account on the theories of metazoa.
3. Explain about the reproduction in sponges.

**UNIT-II SECTION-A 6 Marks**

1. Write about the origin of coelenterates.
2. Give a brief description on corals.
3. Discuss about the structural peculiarities of cyclostomes.
4. Explain about the polymorphism in coelenterates
5. Give a detailed account on reproduction of hydra.

**SECTION-B 15 Marks**

1. Discuss in detail about the functional morphology of helminthes.
2. Give a detailed account on human helminth disease.
3. Explain about the coral reefs.

**UNIT-III SECTION-A 6 MARKS**

1. Write about Archiannelida
2. What are the classes of Annelida? Explain
3. Write a note on metamerism
4. Explain the phylogeny of Arthropoda

5. Describe the economic importance of crustacea.

**SECTION-B** **15 Marks**

1. Explain in detail on origin and evolution of coelom
2. Explain the affinities of Xiphosura
3. Describe about the larval forms of crustacea

**UNIT-IV** **6 Marks**

1. Discuss about the phylogeny of mollusca.
2. Write about the adaptive radiation of mollusca
3. Describe about the evolution of echinoderms
4. Give an account on the evolution of echinodermata

**SECTION-B** **15 Marks**

5. Discuss in detail about the torsion in gastropoda
6. Give a detailed account on the echinoderm larvae

**UNIT-V** **SECTION-A** **6 Marks**

1. Discuss about the affinities of rotifera.
2. Discuss the structural peculiarities of rotifera.
3. Explain about the affinities of nemertinea

**SECTION-B** **15 Marks**

1. Write a detailed account on trilobites
2. Give a note on Brachiopoda.